



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

WinDoor, Inc.  
7500 Amsterdam Drive  
Orlando, FL 32832

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Series "9066" Thermal Broken Aluminum Awning Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. 08-01892, titled "Series 9066 Awning Window Large Missile Impact", sheets 01 through 12 of 12, dated 01/14/13 with revision "C" dated 07/15/13, prepared by manufacture, signed and sealed by Luis R. Lomas, P. E., bearing the Miami-Dade County Product Control Section Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon*  
8/1/13

NOA No. 13-0129.26  
Expiration Date: August 08, 2018  
Approval Date: August 08, 2013  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **08-01892**, titled "Series 9066 Awning Window Large Missile Impact", sheets 01 through 12 of 12, dated 01/14/13 with revision "C" dated 07/15/13, prepared by manufacture, signed and sealed by Luis R. Lomas, P. E.

**B. TESTS**

1. Test reports on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94along with marked-up drawings and installation diagram of a thermally broken Aluminum casement window, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NCTL-210-3847-2**, dated 12/14/12, signed and sealed by Gerard J. Ferrara, P. E.

**C. CALCULATIONS**


1. Anchor calculations and structural analysis, complying with **FBC-2010**, dated 04/19/13, prepared, signed, sealed and dated 07/24/13 by Luis R. Lomas, P. E.
2. **Glazing complies with ASTM E1300-04**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
2. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
3. Test Report No. **ATI-61261.01-106-18**, prepared by Architectural Testing, Inc., dated 12/13/05, revised dated 01/04/06, issued to Technoform, for their I-Stut Thermal Barrier plastic per **ASTM D635-03** "Standard Test Method for Rate of Burning and/ or Extent and Time of Burning of Plastics in a Horizontal Position" and **ASTM D2843-99** "Standard Test Method for the Density of Smoke from the Burning Decomposition of Plastics", signed and sealed by Allen N. Reeves, P. E.

  
Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 13-0129.26  
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**E. MATERIAL CERTIFICATIONS (CONTINUED)**

4. Test Report No. **ETC-08-1043-20974.0**, prepared by ETC Laboratories, Inc., dated 07/01/08, issued to Technoform, for their I-Stut Thermal Barrier Plastic PA 66 GF25 per **ASTM D1929-96** (2001) "Standard Test Method for Ignition Properties of Plastics", signed by Gurijinder Dliami, Dir.
5. Test report No. **ETC-07-1043-19094.0**, prepared by ETC Laboratories, Inc., dated 02/18/08, issued to Technoform Bautech N.A., Inc., for their 18.6mm Flat I-Stut Thermal Barrier/ **ETC07021** per **ASTM D638-03** "4500 exposed Xenon Arch" & tensile strength **ASTM D638-03** "Tensile Strength" and per **ASTMD G26-96** "Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials", dated 03/06/08, signed and sealed by Joseph Labora Doldan, P. E.
6. Technoform Bautech N.A., Inc. Part No. **968600** 18.6mm Flat I-Stut Thermal Barrier Plastic PA 66 GF25 complying with **ASTM D3418-03** "Standard Test Method for Transition Temperatures and Enthalpies of Fusion and Crystallization of Polymers by Differential Scanning Calorimetric", **ASTM D792-03** "Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement", **ASTM D2240-05** "Standard Test Method for Rubber Property—Durometer Hardness" and **ASTM D638-03** "4500 exposed Xenon Arch & Tensile Strength".

**F. STATEMENTS**

1. Statement letter of no financial interest, conformance and complying with **FBC-2010**, dated 01/17/13, issued, signed and sealed by Luis R. Lomas, P. E.
2. Laboratory compliance letter for Test Report No. **NCTL-210-3847-2**, issued by National Certified Testing Laboratories, Inc., dated 12/14/12, signed and sealed by Gerard J. Ferrara, P. E.

**G. OTHERS**

1. None.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 13-0129.26  
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NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING, 2X WOOD BUCK, 1X WOOD BUCK AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD. 2X WOOD BUCK TO BE PROPERLY SECURED.
3. 1X PT WOOD BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD. 1X PT WOOD BUCK TO BE PROPERLY SECURED.
4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
5. FRAME MATERIAL: ALUMINUM 6063-T6.
6. UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 4 FOR GLASS OPTIONS.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND FLUSH INSTALLATION DETAILS.
10. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" ITW BUILDIX TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND FLUSH INSTALLATION DETAILS.
11. FOR ANCHORING INTO METAL STRUCTURE USE #14 SMS OR SELF DRILLING GRADE 5 SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND FLUSH INSTALLATION DETAILS.
12. ALL FASTENERS TO BE CORROSION RESISTANT.
13. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
  - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
  - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
  - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
  - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
14. SEALANT DETAILS TO BE DESIGNED IN ACCORDANCE WITH ASTM E 2112. SEALANT DETAILS DESIGN ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, OR THE ARCHITECT OR ENGINEER OF RECORD.

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5	CROSS SECTIONS
6 - 9	INSTALLATION DETAILS
10	COMPONENTS
11 - 12	HARDWARE LAYOUTS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CHARTS & HARDWARE LAYOUTS	04/11/13	R.L.
B	REVISED PER MD COMMENTS	05/15/13	R.L.
C	REVISED NOTES AND B.O.M.	07/15/13	R.L.

CORNER CONSTRUCTION:

1. FRAME CORNERS ARE ASSEMBLED USING AN INTERIOR CORNER KEY (ITEM 23) AND AN EXTERIOR CORNER KEY (ITEM 24). SEE DETAILS IN SHEET 5.
2. SASH CORNERS ARE ASSEMBLED USING AN INTERIOR KEY (ITEM 22) AND AN EXTERIOR KEY (ITEM 23). \*SEE DETAILS IN SHEET 5.

SIGNED: 07/15/2013

Approved as complying with the  
Florida Building Code  
Date 08/08/2013  
NOA# 13-0729.26  
Miami Dade Product Control

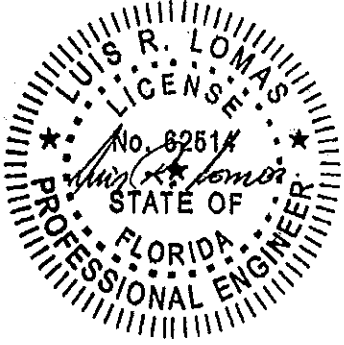
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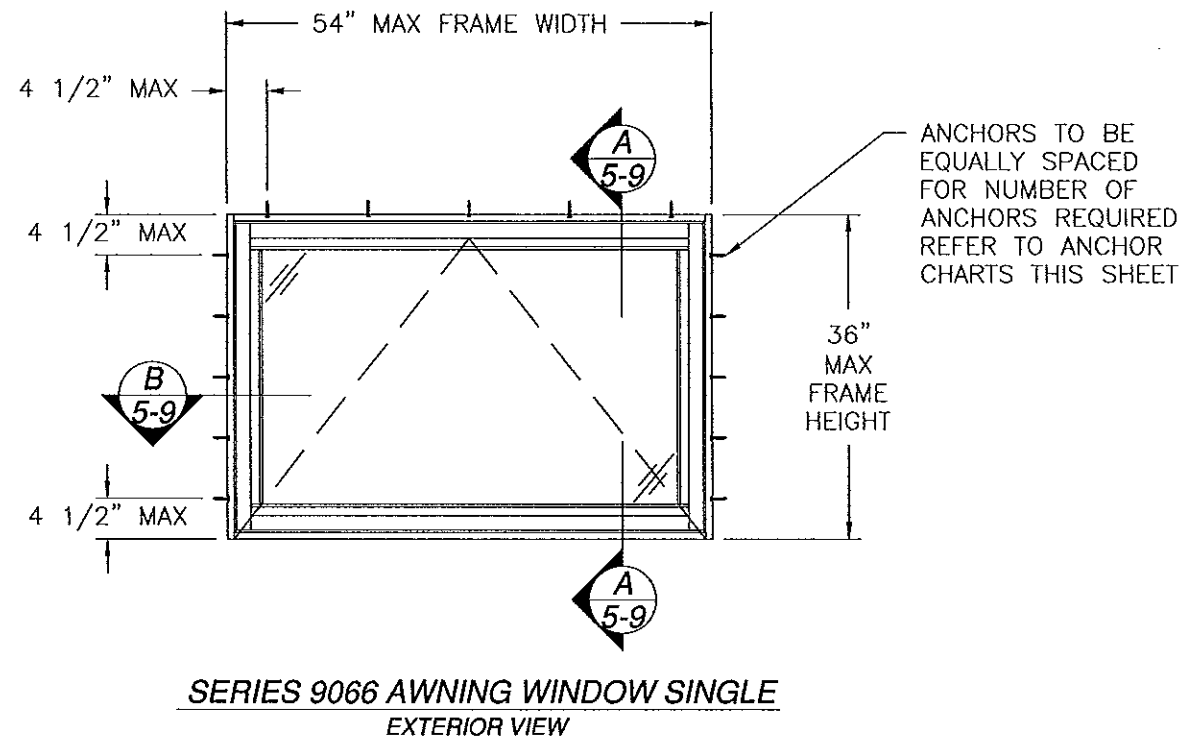
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7500 AMSTERDAM DRIVE  
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www.windoorinc.com

SERIES 9066 AWNING WINDOW  
LARGE MISSILE IMPACT  
NOTES

DRAWN: V.L.	DWG NO. 08-01892	REV C
SCALE NTS	DATE 01/14/13	SHEET 1 OF 12





REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CHARTS & HARDWARE LAYOUTS	04/11/13	R.L.
B	REVISED PER MD COMMENTS	05/15/13	R.L.
C	REVISED NOTES AND B.O.M.	07/15/13	R.L.

CHART #3

Series 9066 Awning Single Window with SentryGlas Interlayer (Glazing A and B)												
Maximum design pressure capacity chart (psf)												
Frame Height (In)	Frame width (In)											
	24.0		30.0		36.0		42.0		48.0		54.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
18.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0
24.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0
30.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	149.3	100.0	139.6	100.0	132.9
36.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	140.0	100.0	128.0	100.0	120.0

CHART #4

Number of anchors locations required for single units glazed with SentryGlas Interlayer (Glazing A and B)												
Frame Height (In)	Frame width (In)											
	24.0		30.0		36.0		42.0		48.0		54.0	
	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb
18.0	2	2	3	2	3	2	3	2	4	3	4	3
24.0	2	2	3	3	3	3	3	3	4	3	5	4
30.0	2	3	3	3	3	4	4	4	4	4	5	4
36.0	2	3	3	4	3	4	4	5	4	5	5	5

CHART #1

Series 9066 Awning Single Window with PVB Interlayer (Glazing C and D)												
Maximum design pressure capacity chart (psf)												
Frame Height (In)	Frame width (In)											
	24.0		30.0		36.0		42.0		48.0		54.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
18.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
24.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
30.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0

CHART #2

Number of anchors locations required for single units glazed with PVB Interlayer (Glazing C and D)												
Frame Height (In)	Frame width (In)											
	24.0		30.0		36.0		42.0		48.0		54.0	
	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb
18.0	2	2	3	2	3	2	3	2	4	3	4	2
24.0	2	2	3	2	3	2	3	2	4	2	4	2
30.0	2	2	3	2	3	2	3	3	4	3	4	3
36.0	2	3	3	3	3	3	3	3	4	3	4	4

Approved as complying with the Florida Building Code  
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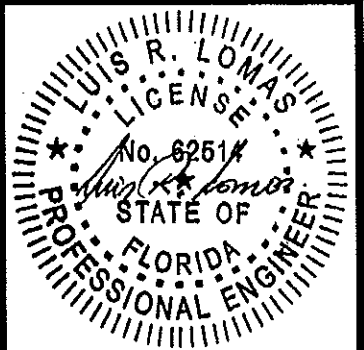
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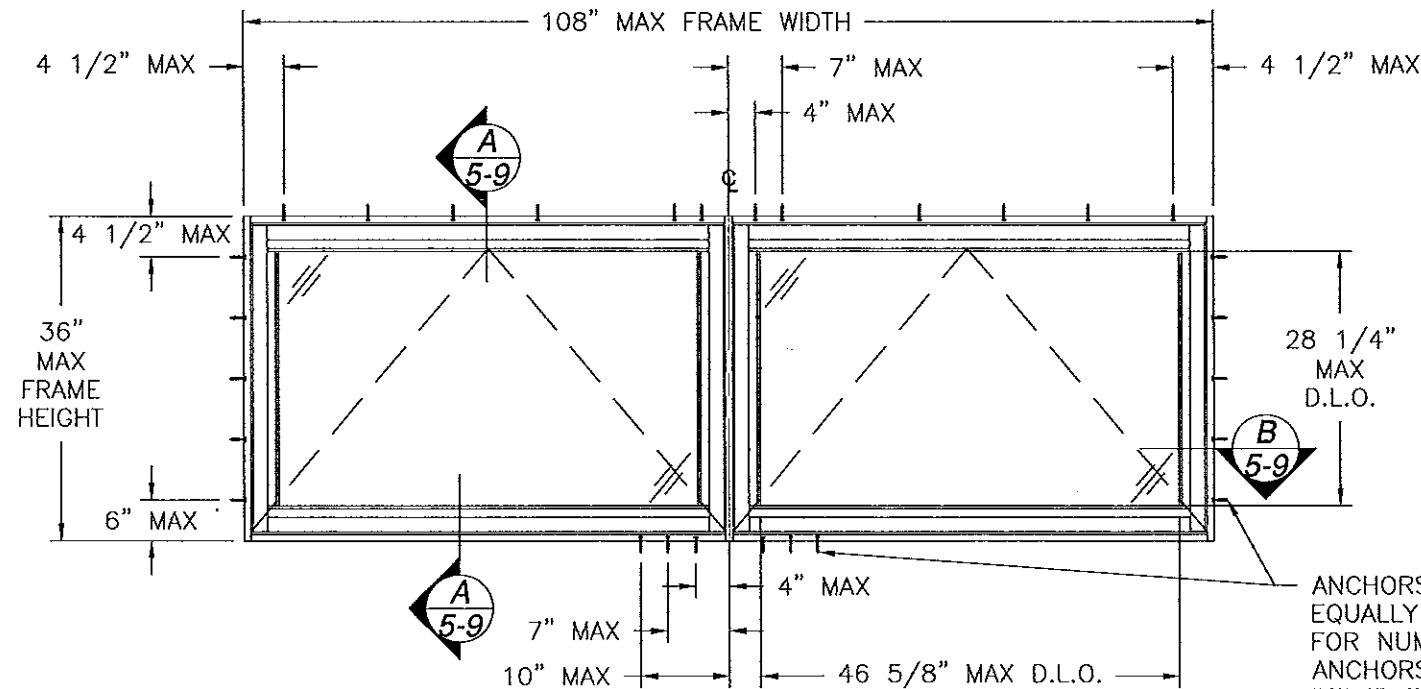
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SERIES 9066 AWNING WINDOW  
LARGE MISSILE IMPACT  
ELEVATIONS

DRAWN: V.L. DWG NO. 08-01892 REV C  
SCALE NTS DATE 01/14/13 SHEET 2 OF 12

SIGNED: 07/15/2013





**SERIES 9066 AWNING WINDOW TWIN**  
EXTERIOR VIEW

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CHARTS & HARDWARE LAYOUTS	04/11/13	R.L.
B	REVISED PER MD COMMENTS	05/15/13	R.L.
C	REVISED NOTES AND B.O.M.	07/15/13	R.L.

CHART #5

Series 9066 Twin Window with PVB Interlayer (Glazing C and D)											
Maximum design pressure capacity chart (psf)											
Frame Height (in)	Frame Width (in)										
	60.0		72.0		84.0		96.0		108.0		
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	
18.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
24.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
30.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
36.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	

CHART #6

Series 9066 Awning Twin Window with PVB Interlayer (Glazing C and D)																				
Number of anchor locations required																				
Frame Height (in)	Frame width (in)																			
	60.00				72.00				84.00				96.00				108.00			
	Head	Jamb	Mull head	Mull sill	Head	Jamb	Mull head	Mull sill	Head	Jamb	Mull head	Mull sill	Head	Jamb	Mull head	Mull sill	Head	Jamb	Mull head	Mull sill
18.00	2	2	1	2	3	1	1	2	3	2	1	2	3	2	1	3	3	2	1	3
24.00	2	2	1	2	3	2	1	3	3	2	1	3	3	2	1	3	3	2	1	4
30.00	2	2	2	3	3	2	2	3	3	3	2	4	3	3	2	4	3	3	2	4
36.00	2	3	2	3	3	3	2	4	3	3	2	4	3	3	2	5	4	4	2	5

CHART #7

Series 9066 Twin Window with SentryGlas Interlayer (Glazing A and B)											
Maximum design pressure capacity chart (psf)											
Frame Height (In)	Frame Width (In)										
	60.0		72.0		84.0		96.0		108.0		
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	
18.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	
24.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	
30.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	
36.0	100.0	123.4	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	

CHART #8

Series 9066 Awning Twin Window with SentryGlas Interlayer (Glazing A and B)																				
Number of anchor locations required																				
Frame Height (In)	Frame width (In)																			
	60.00				72.00				84.00				96.00				108.00			
	Head	Jamb	Mull head	Mull sill	Head	Jamb	Mull head	Mull sill	Head	Jamb	Mull head	Mull sill	Head	Jamb	Mull head	Mull sill	Head	Jamb	Mull head	Mull sill
18.00	2	2	1	3	3	2	1	3	3	2	1	4	3	3	1	4	4	3	1	4
24.00	2	3	2	3	3	3	2	4	3	3	2	5	4	3	2	5	5	4	2	6
30.00	2	3	2	4	3	4	2	5	4	4	2	6	4	4	2	6	5	5	2	7
36.00	2	3	3	4	3	4	3	5	3	4	3	5	4	4	3	6	5	5	3	7

SIGNED: 07/15/2013

Approved as complying with the  
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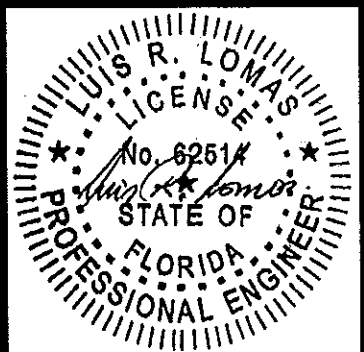
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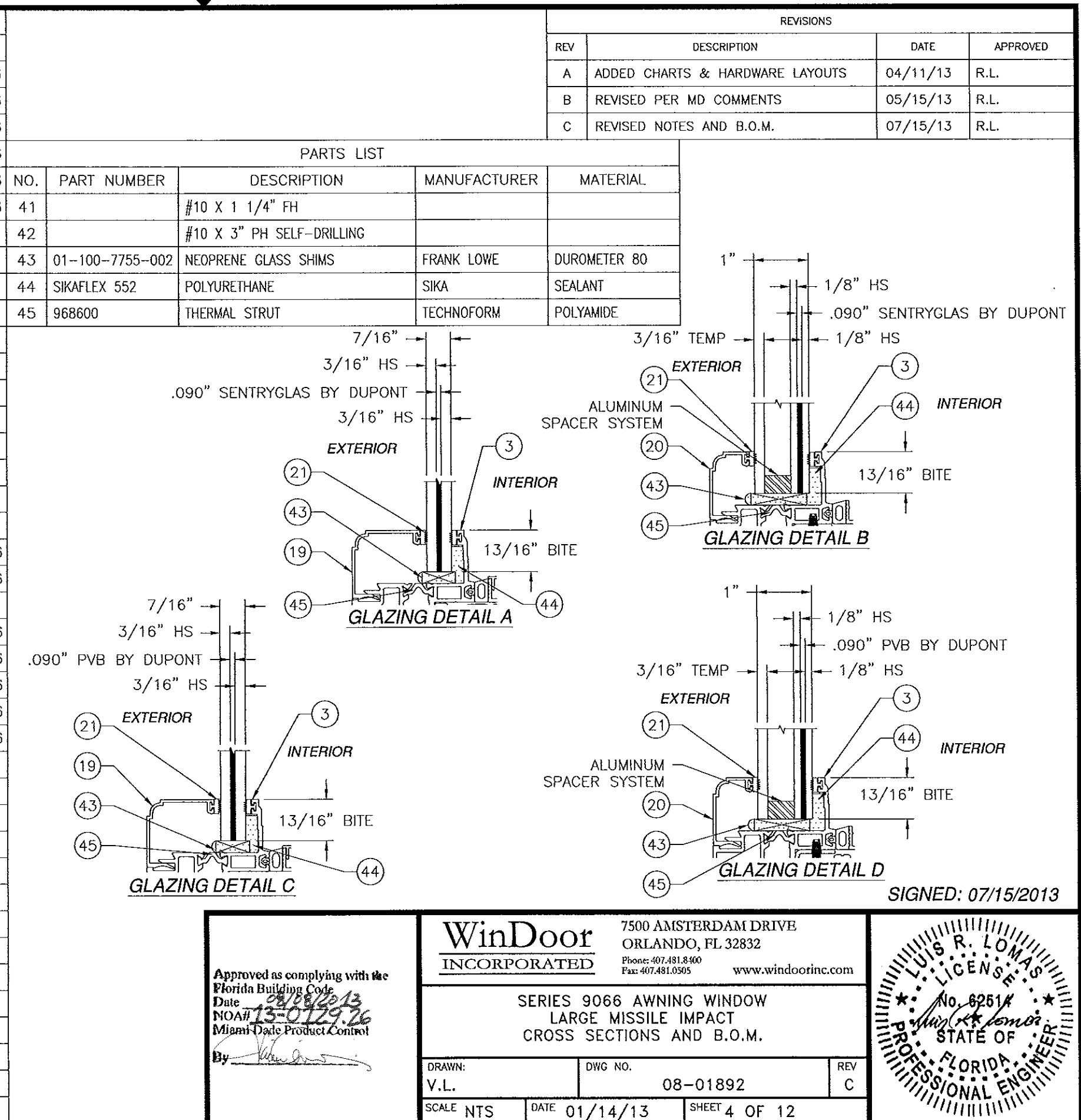
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SERIES 9066 AWNING WINDOW  
LARGE MISSILE IMPACT  
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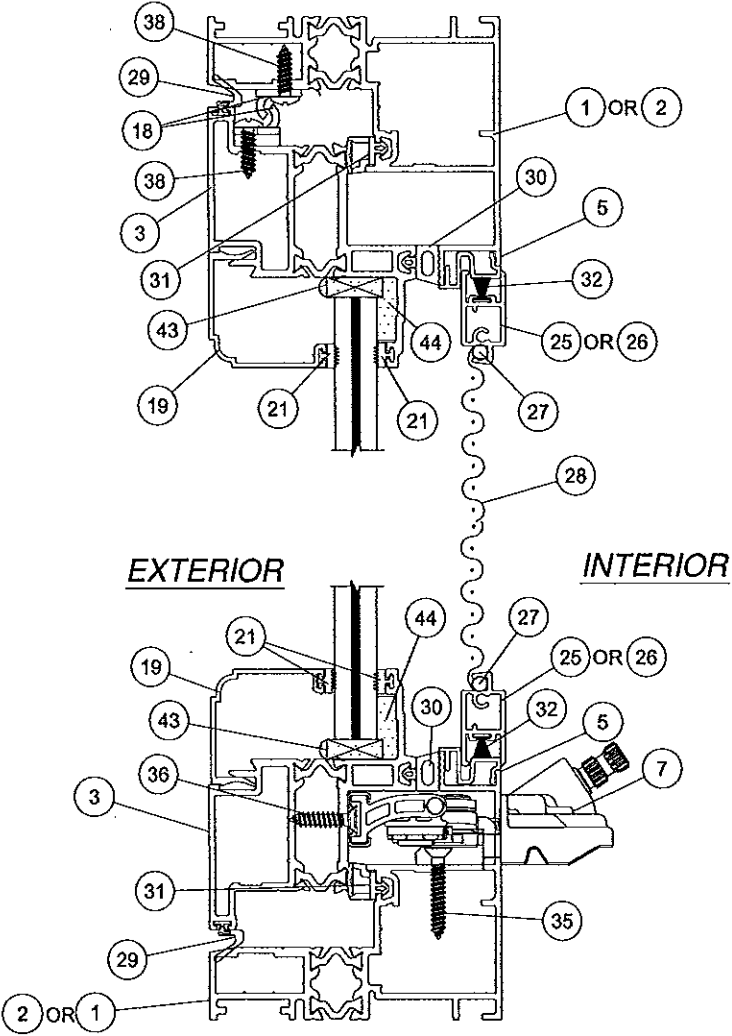
DRAWN: V.L. DWG NO. 08-01892 REV C  
SCALE NTS DATE 01/14/13 SHEET 3 OF 12



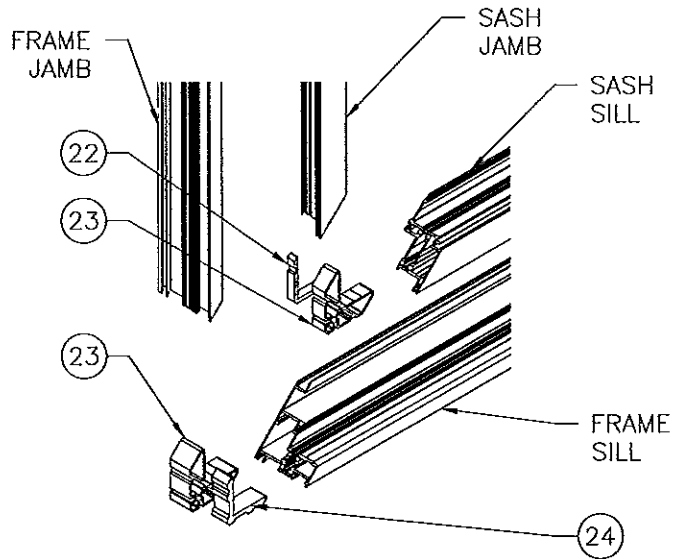
PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	9060A02	FLUSH FRAME ASSEMBLY	KEYMARK	ALUMINUM 6063-T6
2	9060A04	FLANGE FRAME ASSEMBLY	KEYMARK	ALUMINUM 6063-T6
3	9060A01	SASH ASSEMBLY	KEYMARK	ALUMINUM 6063-T6
4	9060A03	COMMON POST	KEYMARK	ALUMINUM 6003-T6
5	S51989	HORIZONTAL SCREEN ADAPTER	KEYMARK	ALUMINUM 6003-T6
6	S51990	VERTICAL SCREEN ADAPTER	KEYMARK	ALUMINUM 6063-T6
7	115677.00.0520	OPERATOR TRACK & SLIDER ASSY	TRUTH	
8	851 112 8046	HINGE STORM B 16X	BRONZE CRAFT	
9	51.10.00.521	OPERATOR ENCORE S AWNING SS	TRUTH	
10	126.14XX	HDL/COVER (LH) S ENCORE TANGO	TRUTH	
11	21306	SPLINE CAP	TRUTH	
12	24.30.XX.004	LOCK ASSEMBLY	TRUTH	
13	23050.00.0500	LOCK SUPPORT PLATE	TRUTH	
14	9000LH-HD	KEEPER LEFT HAND -- HD	SELJAN	SS 300 SERIES
15	9000RH-HD	KEEPER RIGHT HAND -- HD	SELJAN	SS 300 SERIES
16	11914	TIE BAR	TRUTH	
17	12075P001	TIE BAR GUIDE	TRUTH	
18	900130	FRAME & SASH SNUBBER	ROTO	
19	S46329	GLASS STOP 7/16" - 9/16"	KEYMARK	ALUMINUM 6063-T6
20	S46084	GLASS STOP 1"	KEYMARK	ALUMINUM 6063-T6
21	TP1051	#6 GLAZING VINYL	TEAM PLASTICS	85 DUROMETER
22	FS07438	INTERIOR SASH CORNER KEY	KEYMARK	ALUMINUM 6003-T6
23	FS07440	SASH & FRAME CORNER	KEYMARK	ALUMINUM 6063-T6
24	FS07439	EXTERIOR FRAME CORNER KEY	KEYMARK	ALUMINUM 6063-T6
25	FH07574	SCREEN FRAME	KEYMARK	ALUMINUM 6063-T6
26	FH05838	SCREEN FLANGE FRAME	KEYMARK	ALUMINUM 6063-T6
27	S10010-BL-2200R	SCREEN SPLINE	KEYMARK	
28	SBV-XX-0600Z	SCREEN CLOTH	KEYMARK	
29	QEZ 376	Q-LON FOAM FLAP SEAL	SCHLEGEL	
30	54076	CLOSED CELL EPDM SPONGE	LAUREN MFG.	EPDM SPONGE
31	54578	CLOSED CELL EPDM RUBBER	LAUREN MFG.	EPDM RUBBER
32	121998	.187"X.200" FIN SEAL	ULTRA FAB	
33		#8 X 3/8" PHILLIPS PH		
34		#8 X 5/8" PHILLIPS PH		
35		#8 X 1/2" PHILLIPS PH		
36		#8 X 1/2" PHILLIPS FH		
37		#8 X 1 1/4" PHILLIPS PH		
38		#10 X 1/2" PHILLIPS PH		
39		#10 X 1/2" PHILLIPS PH		
40		#10 X 1/2" PHILLIPS PH		



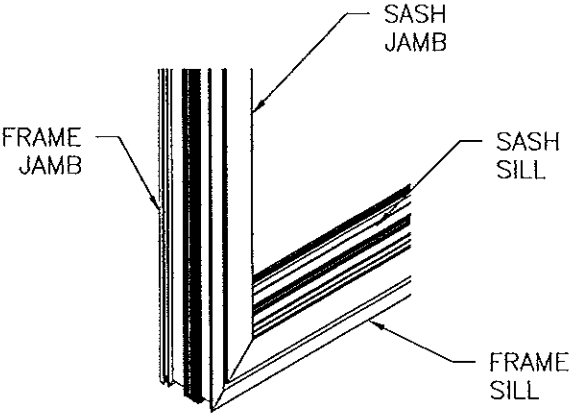
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CHARTS & HARDWARE LAYOUTS	04/11/13	R.L.
B	REVISED PER MD COMMENTS	05/15/13	R.L.
C	REVISED NOTES AND B.O.M.	07/15/13	R.L.



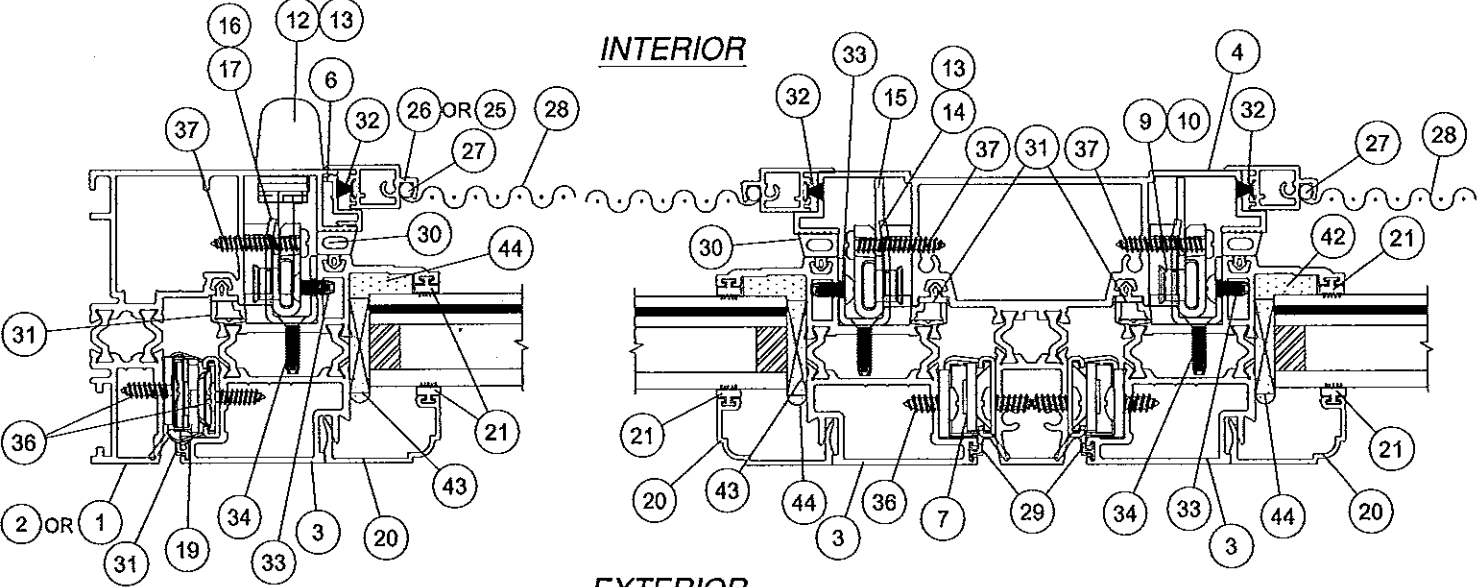
**A**  
5 VERTICAL SECTION



CORNER DETAILS



CORNER ASSEMBLY



**B**  
5 HORIZONTAL SECTION

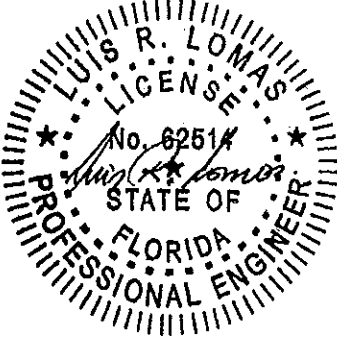
Approved as complying with the  
Florida Building Code  
Date 08/08/2013  
NOA# 13-0129.26  
Miami Dade Product Control  
By [Signature]

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7500 AMSTERDAM DRIVE  
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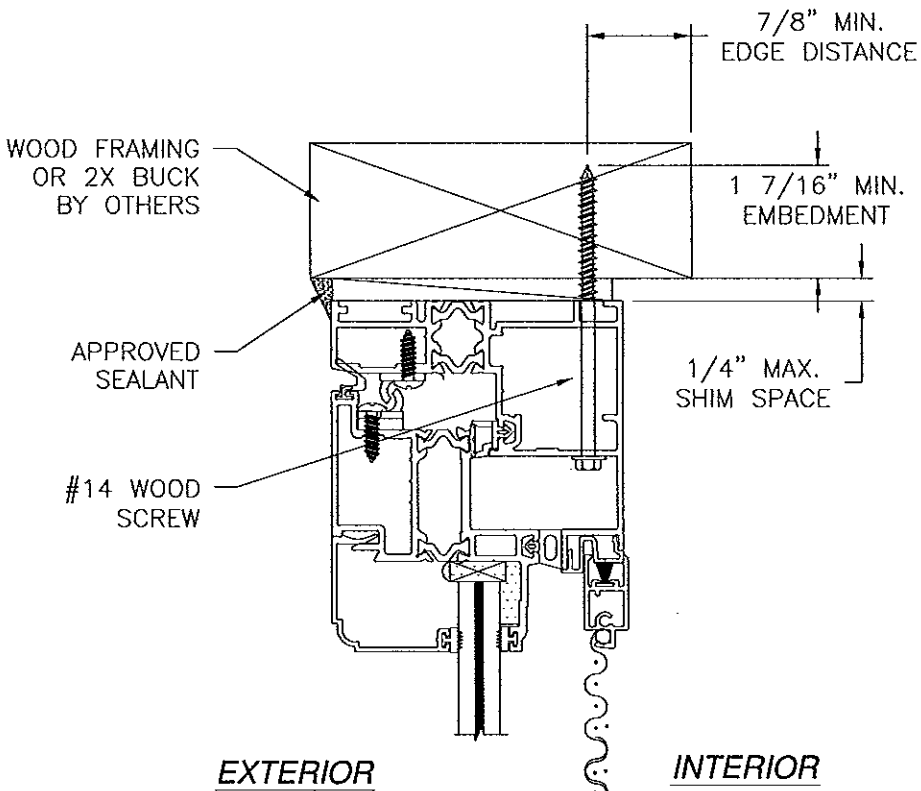
SERIES 9066 AWNING WINDOW  
LARGE MISSILE IMPACT  
CROSS SECTIONS AND B.O.M.

DRAWN: V.L.	DWG NO. 08-01892	REV C
SCALE NTS	DATE 01/14/13	SHEET 5 OF 12

SIGNED: 07/15/2013

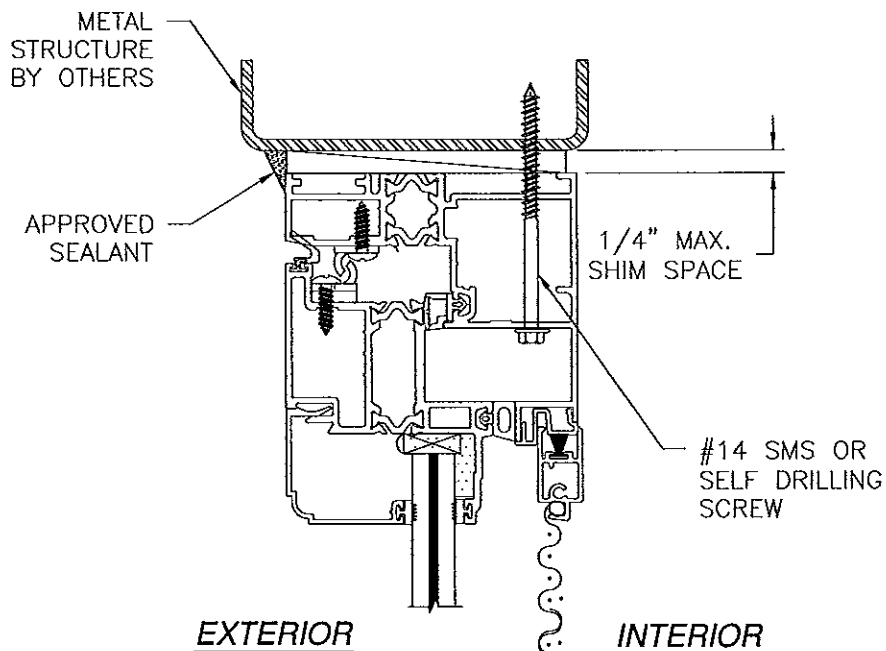




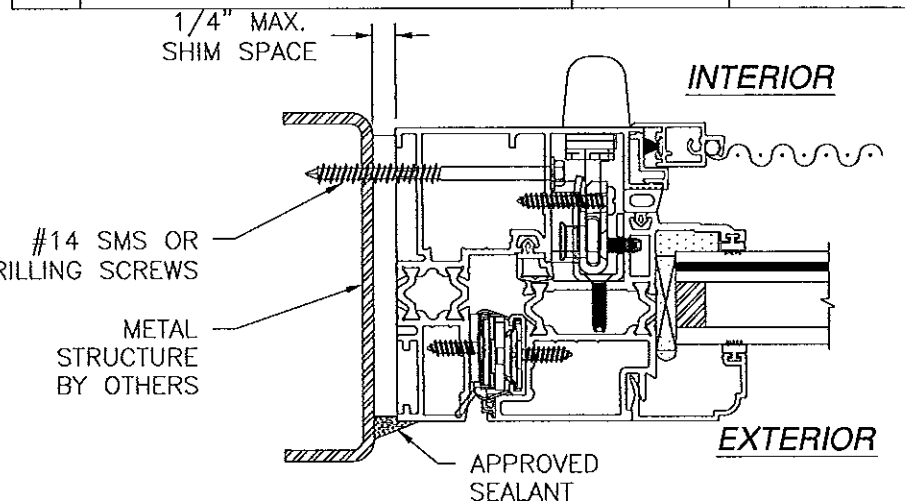
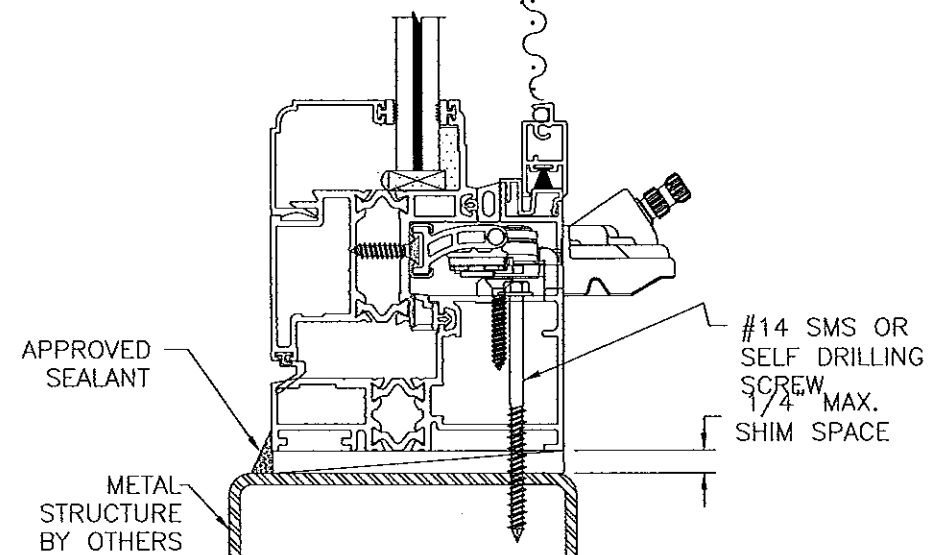


**A**  
6  
**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION  
REFER TO NOTES 2,3,12 AND 13 SHEET 1

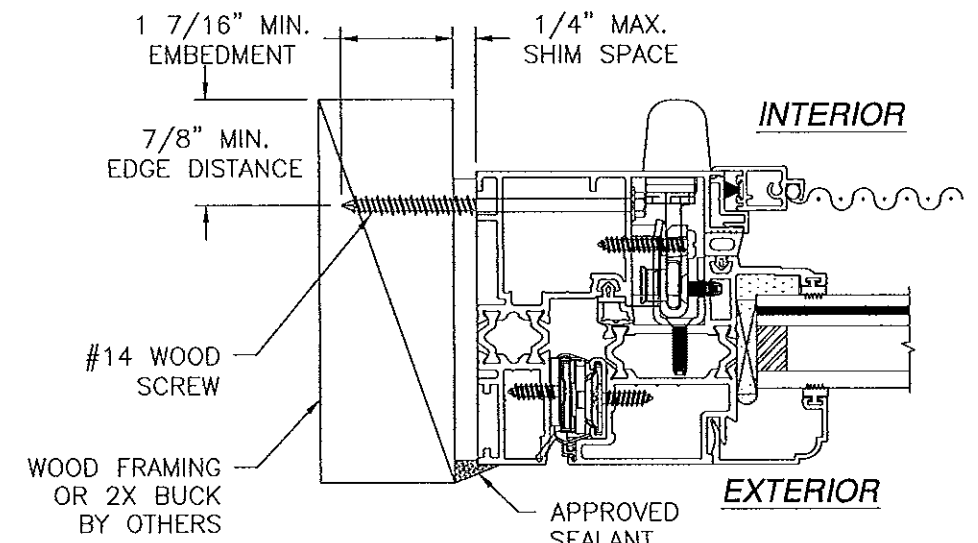
NOTES:  
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.  
2. SEALANT JOINT BY OTHERS TO BE IN ACCORDANCE WITH ASTM E2112.



**B**  
6  
**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION  
REFER TO NOTES 2,3,12 AND 13 SHEET 1



**B**  
6  
**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION  
REFER TO NOTES 2,3,12 AND 13 SHEET 1



**B**  
6  
**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION  
REFER TO NOTES 2,3,12 AND 13 SHEET 1

SIGNED: 07/15/2013

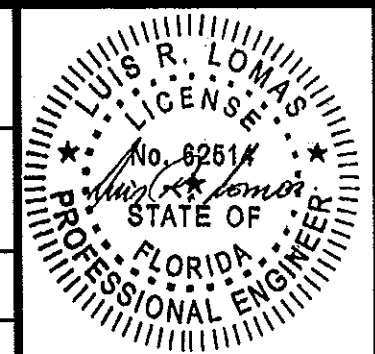
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Date 08/05/2013  
NOA# 13-0129.26  
Miami Dade Product Control  
By [Signature]

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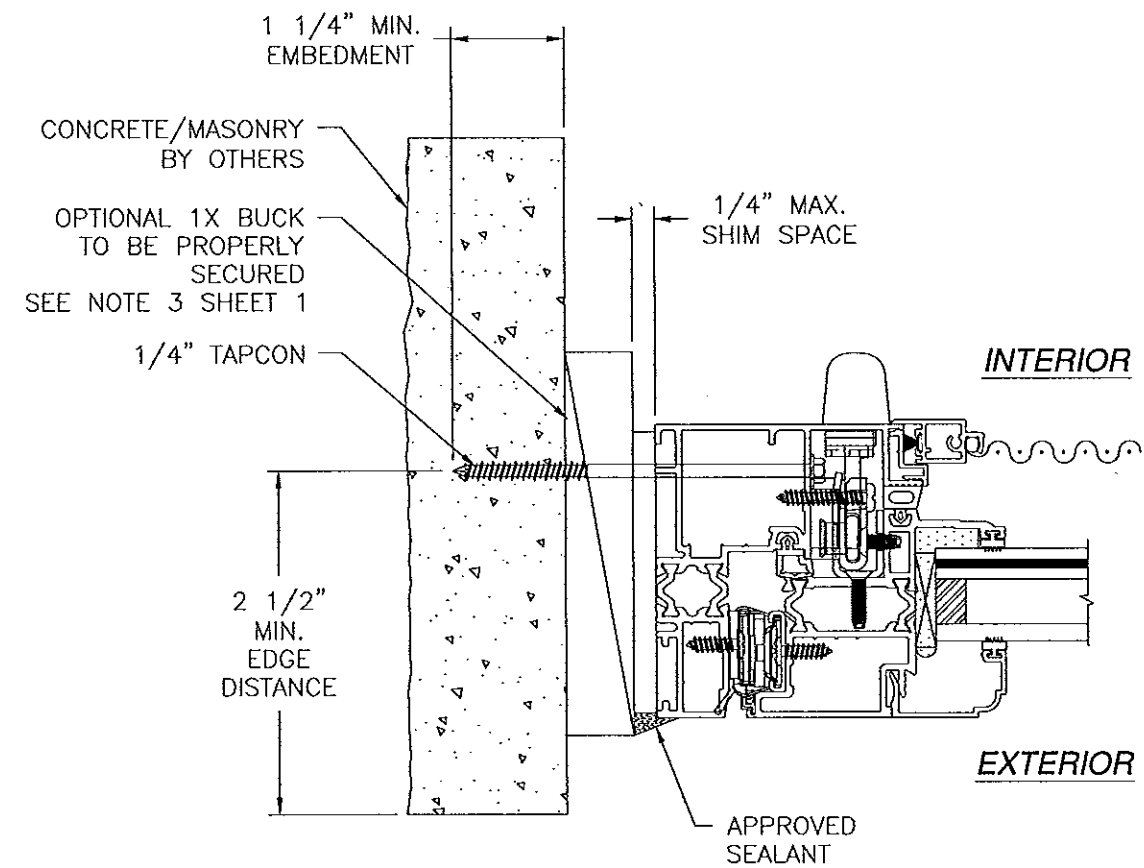
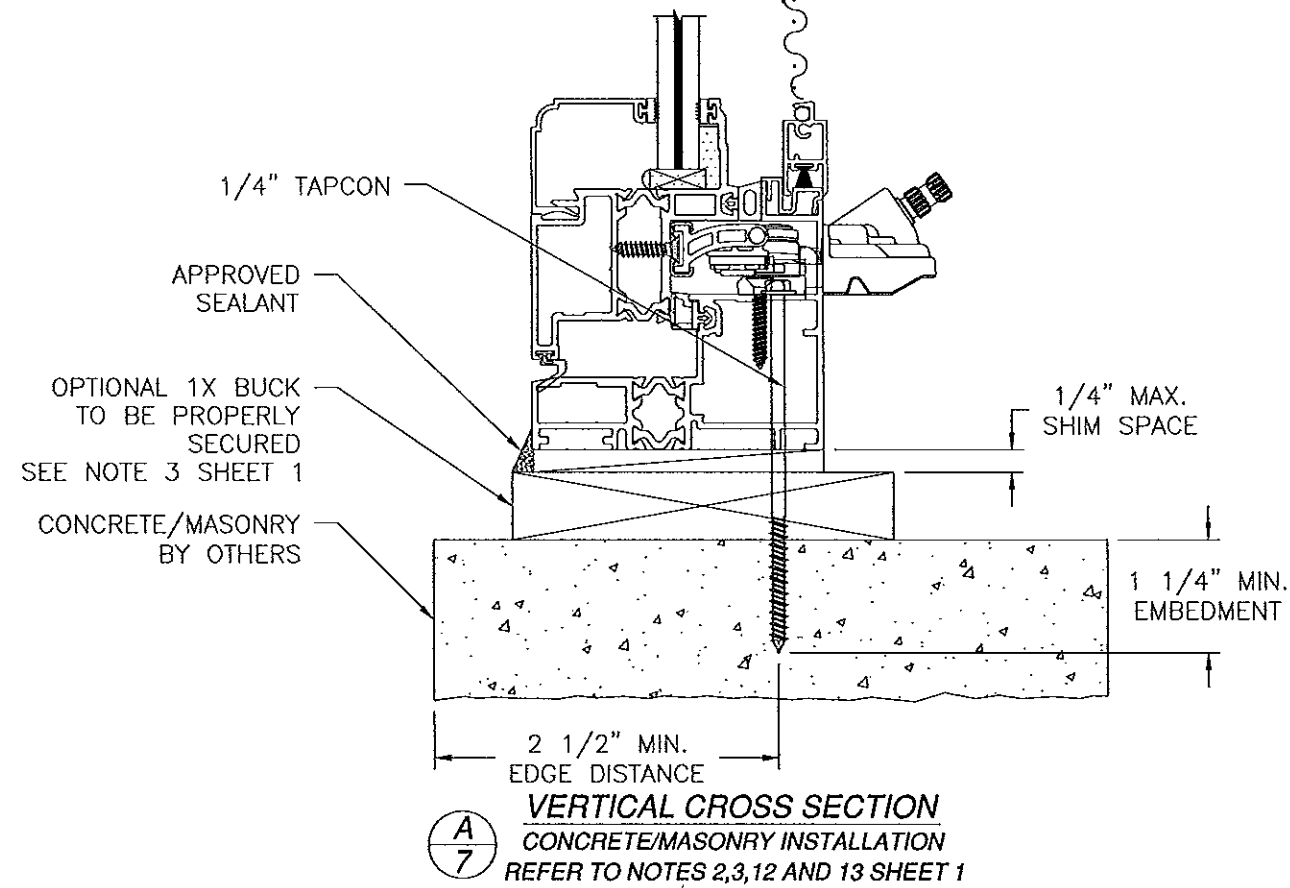
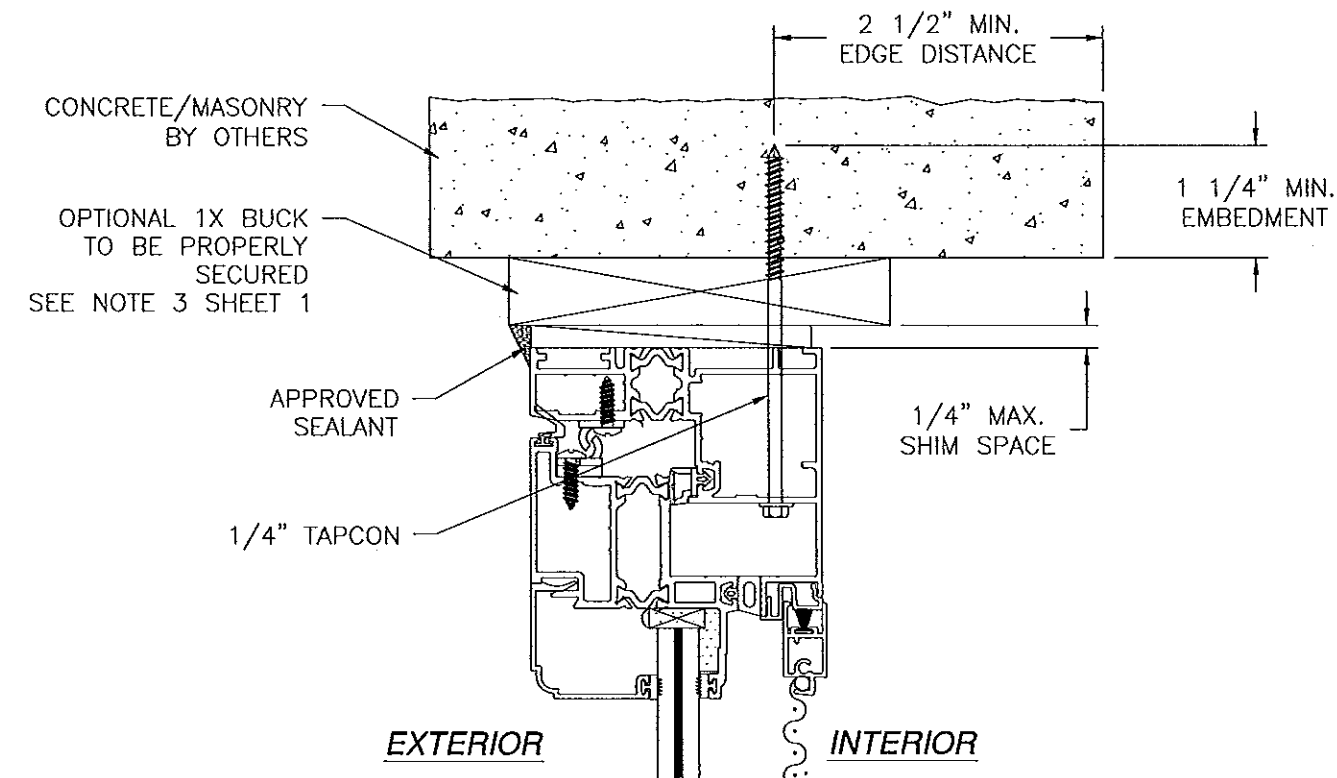
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Fax: 407.481.0505  
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SERIES 9066 AWNING WINDOW  
LARGE MISSILE IMPACT  
FLUSH INSTALLATION DETAILS

DRAWN: V.L. DWG NO. 08-01892 REV C  
SCALE NTS DATE 01/14/13 SHEET 6 OF 12



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CHARTS & HARDWARE LAYOUTS	04/11/13	R.L.
B	REVISED PER MD COMMENTS	05/15/13	R.L.
C	REVISED NOTES AND B.O.M.	07/15/13	R.L.



**B**  
**7**  
**JAMB INSTALLATION DETAIL**  
CONCRETE/MASONRY INSTALLATION  
REFER TO NOTES 2,3,12 AND 13 SHEET 1

- NOTES:**  
 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.  
 2. SEALANT JOINT BY OTHERS TO BE IN ACCORDANCE WITH ASTM E2112.

SIGNED: 07/15/2013

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 Date 08/08/2013  
 NOA# 13-0179.26  
 Miami Dade Product Control  
 By [Signature]

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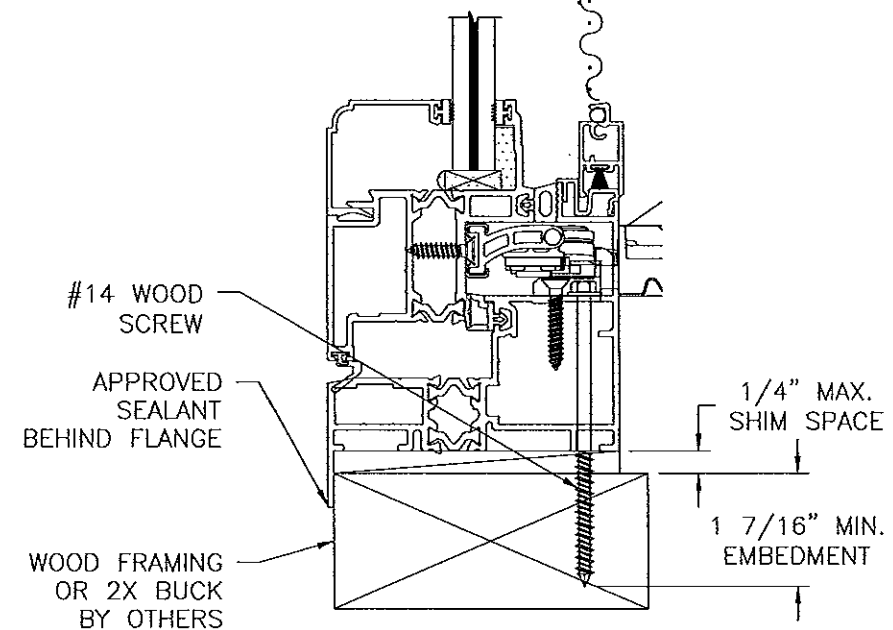
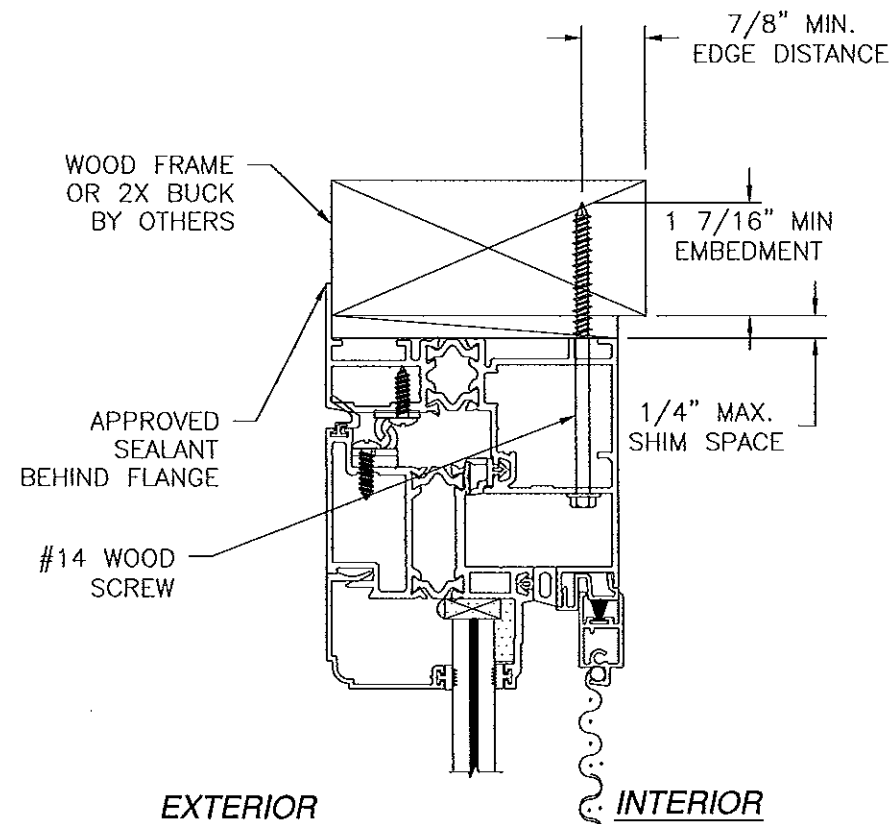
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 Fax: 407.481.0505  
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SERIES 9066 AWNING WINDOW  
 LARGE MISSILE IMPACT  
 FLUSH INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-01892	REV C
SCALE NTS	DATE 01/14/13	SHEET 7 OF 12

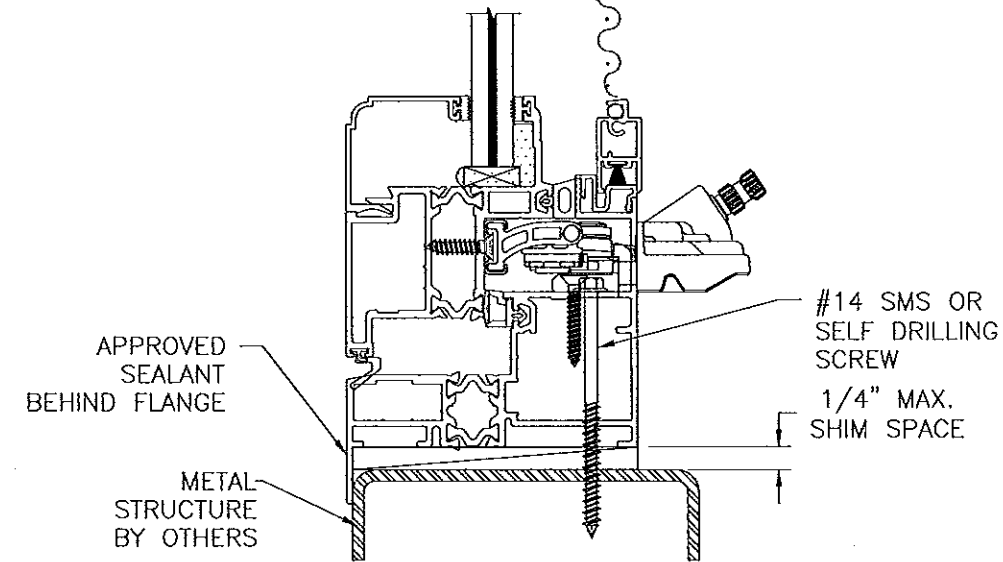
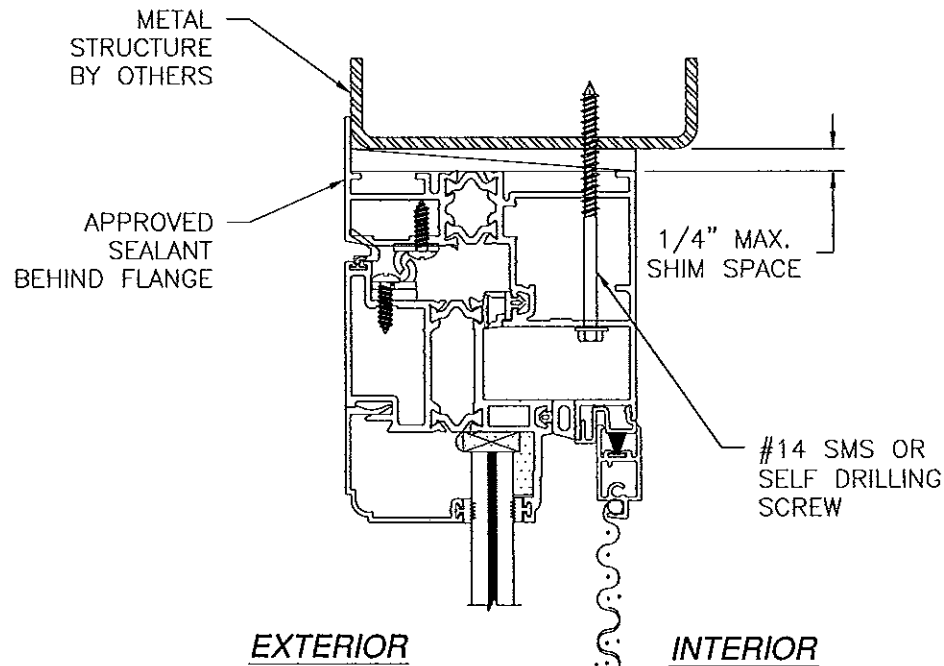
PROFESSIONAL ENGINEER  
 STATE OF FLORIDA  
 No. 62514  
 LUIS R. LOMAS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CHARTS & HARDWARE LAYOUTS	04/11/13	R.L.
B	REVISED PER MD COMMENTS	05/15/13	R.L.
C	REVISED NOTES AND B.O.M.	07/15/13	R.L.

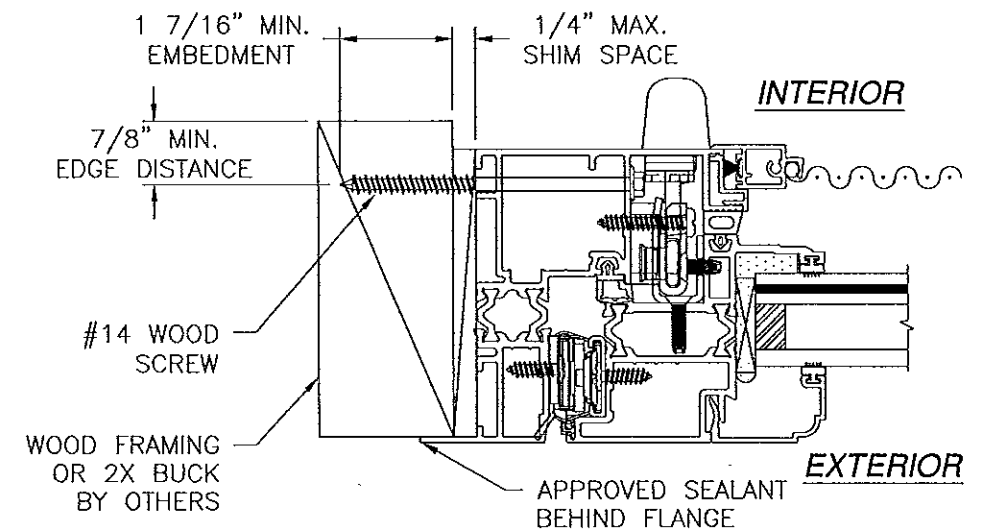
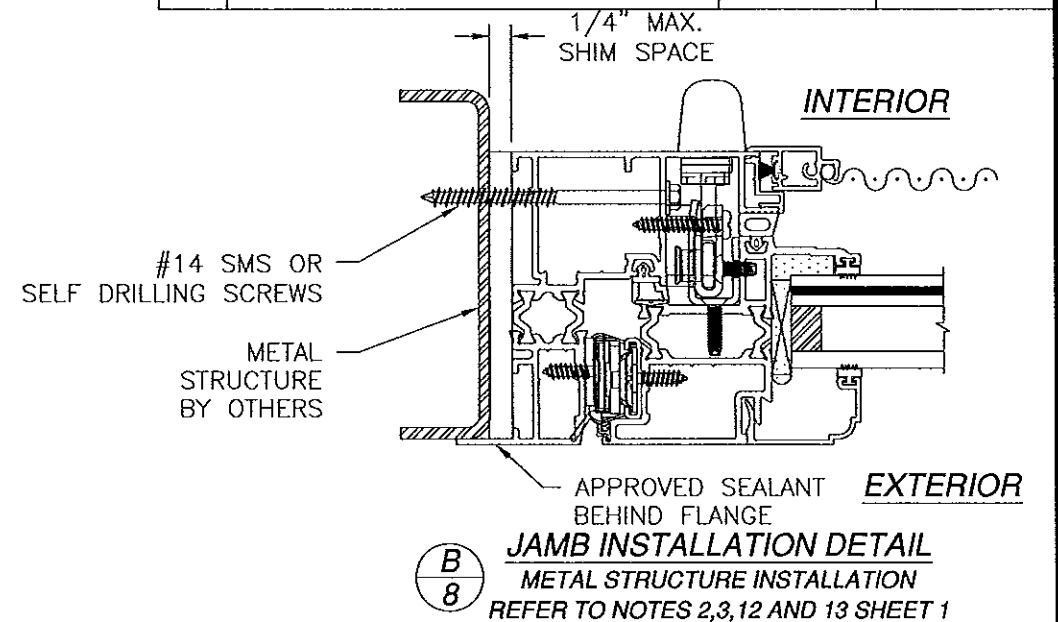


**A**  
8  
**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION  
REFER TO NOTES 2,3,12 AND 13 SHEET 1

NOTES:  
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS,  
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2. SEALANT JOINT BY OTHERS TO BE IN ACCORDANCE  
WITH ASTM E2112.



**A**  
8  
**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION  
REFER TO NOTES 2,3,12 AND 13 SHEET 1



**B**  
8  
**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION  
REFER TO NOTES 2,3,12 AND 13 SHEET 1

SIGNED: 07/15/2013

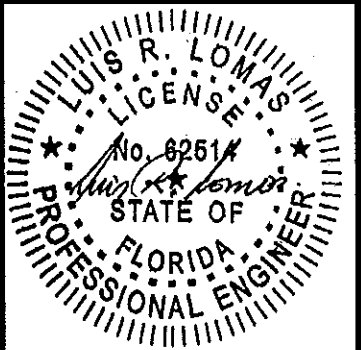
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Date 08/09/2013  
NOAH 13-0129.26  
Miami-Dade Product Control  
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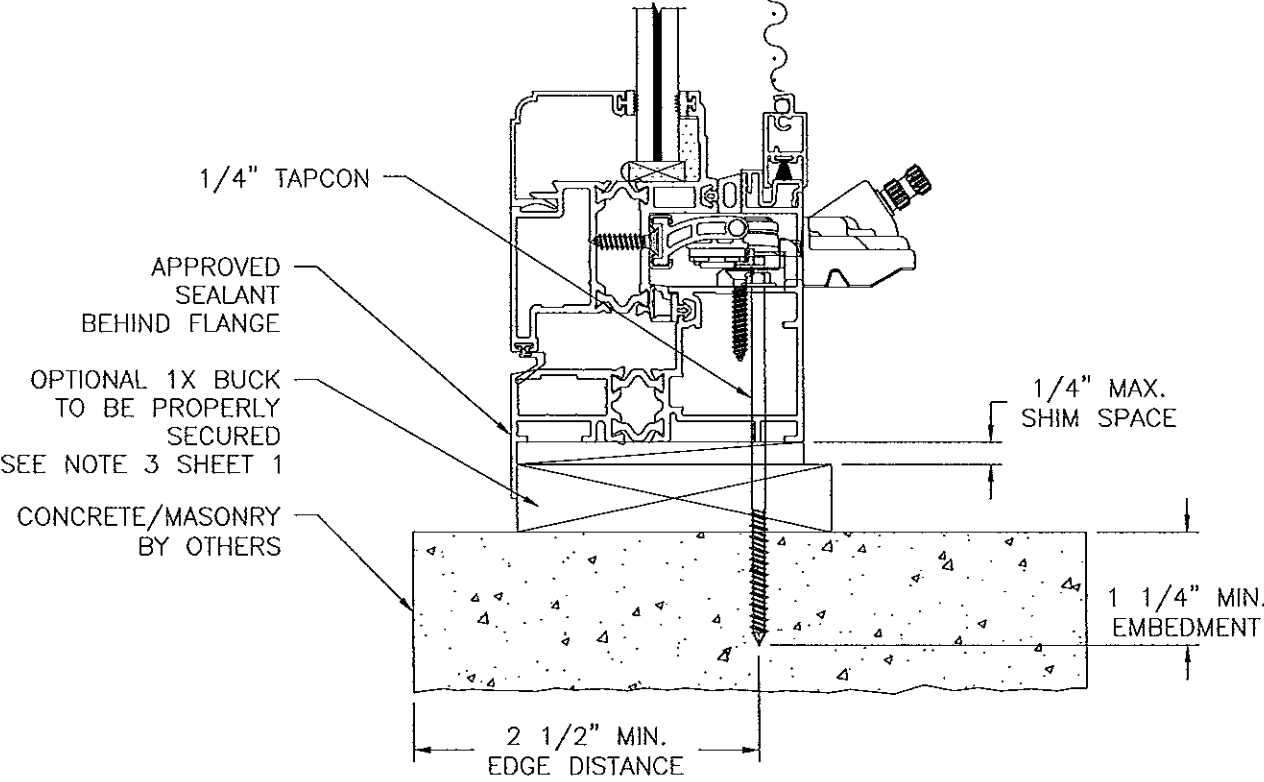
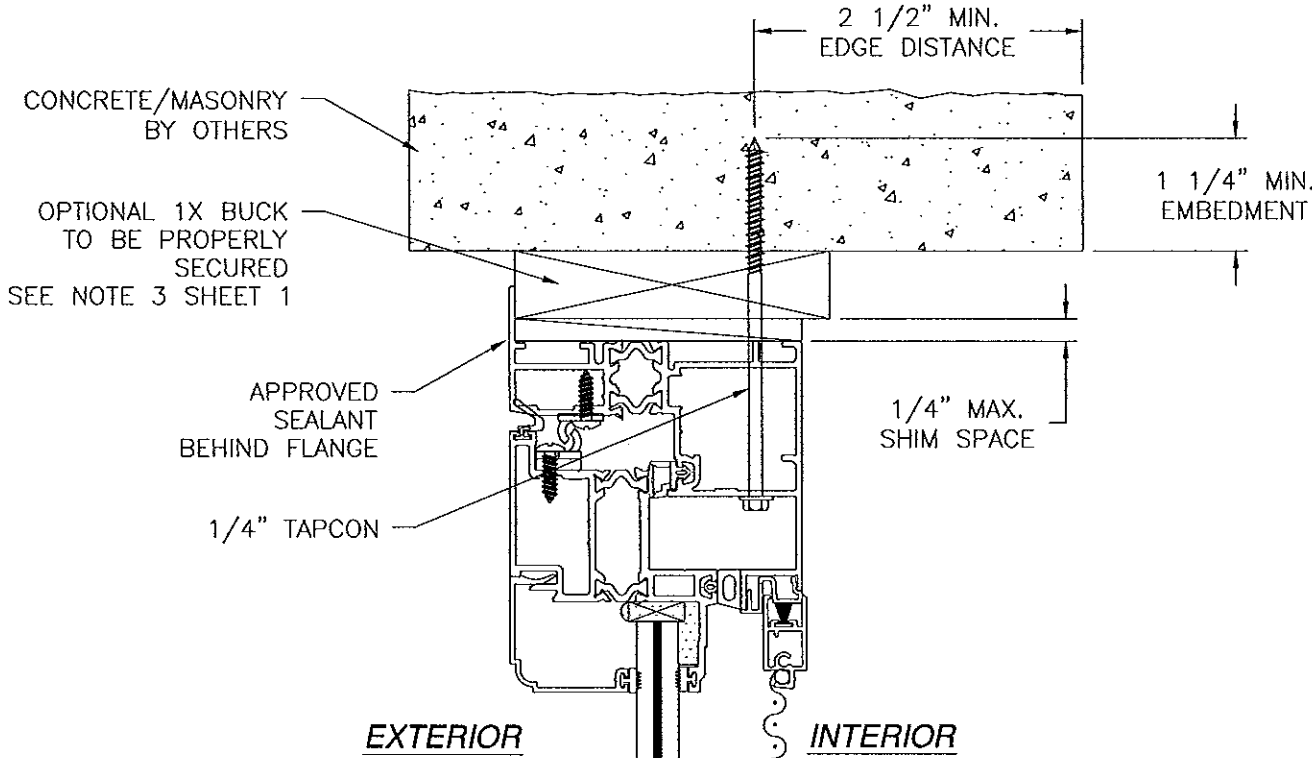
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SERIES 9066 AWNING WINDOW  
LARGE MISSILE IMPACT  
FLANGE INSTALLATION DETAILS

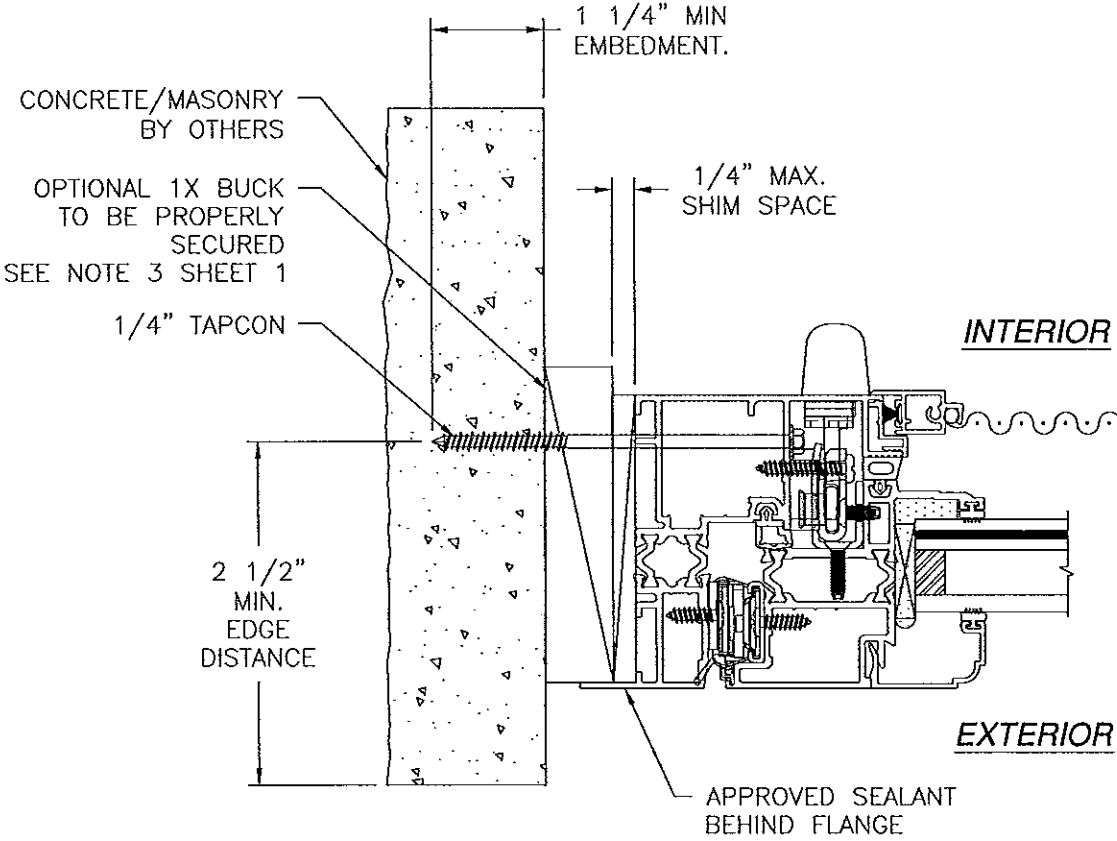
DRAWN: V.L.	DWG NO. 08-01892	REV C
SCALE NTS	DATE 01/14/13	SHEET 8 OF 12



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CHARTS & HARDWARE LAYOUTS	04/11/13	R.L.
B	REVISED PER MD COMMENTS	05/15/13	R.L.
C	REVISED NOTES AND B.O.M.	07/15/13	R.L.



**(A/9)**  
**VERTICAL CROSS SECTION**  
**CONCRETE/MASONRY INSTALLATION**  
**REFER TO NOTES 2,3,12 AND 13 SHEET 1**



**(B/9)**  
**JAMB INSTALLATION DETAIL**  
**CONCRETE/MASONRY INSTALLATION**  
**REFER TO NOTES 2,3,12 AND 13 SHEET 1**

- NOTES:**  
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.  
2. SEALANT JOINT BY OTHERS TO BE IN ACCORDANCE WITH ASTM E2112.

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NOA# 13-0129.26  
Miami Dade Product Control  
By [Signature]

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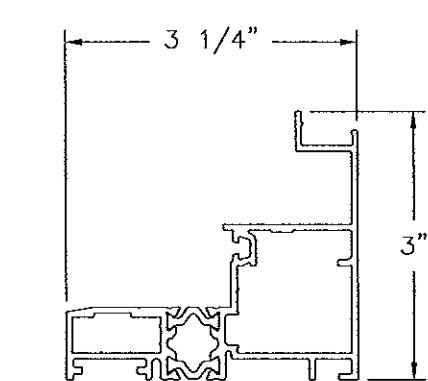
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SERIES 9066 AWNING WINDOW  
LARGE MISSILE IMPACT  
FLUSH INSTALLATION DETAILS

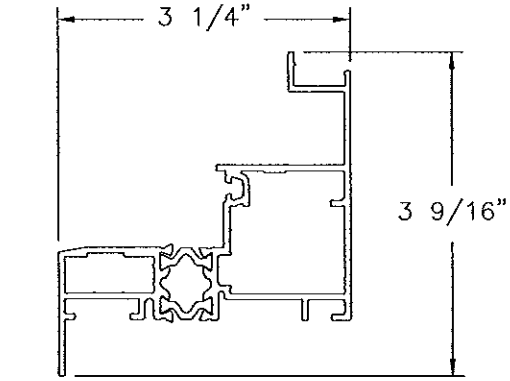
DRAWN: V.L.	DWG NO. 08-01892	REV C
SCALE NTS	DATE 01/14/13	SHEET 9 OF 12

LUIS R. LOMAS  
LICENSED PROFESSIONAL ENGINEER  
No. 62514  
STATE OF FLORIDA

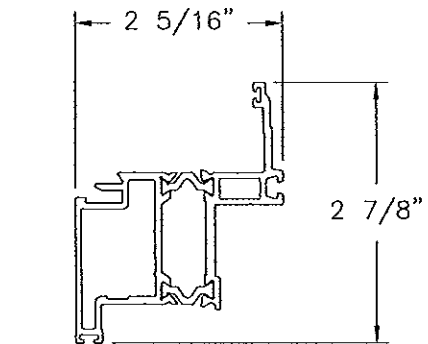
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CHARTS & HARDWARE LAYOUTS	04/11/13	R.L.
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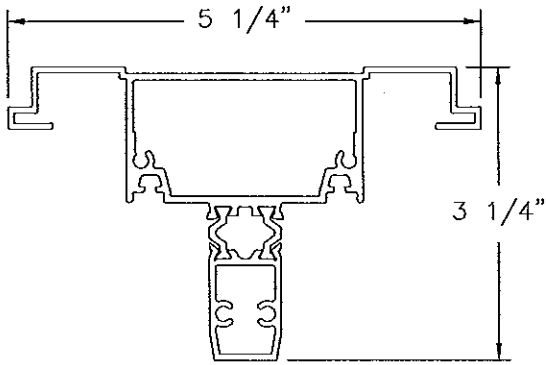
① **FRAME**  
ALUMINUM 6063-T6 .065" THICK



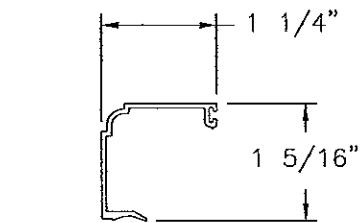
② **FLANGE FRAME**  
ALUMINUM 6063-T6 .065" THICK



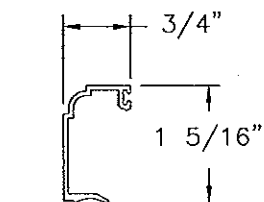
③ **SASH ASSEMBLY**  
ALUMINUM 6063-T6 .070" THICK



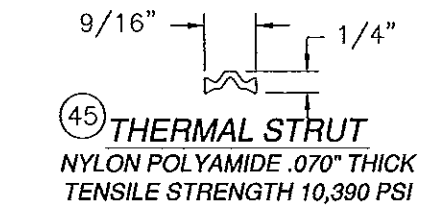
④ **COMMON POST**  
ALUMINUM 6063-T6 .075" THICK



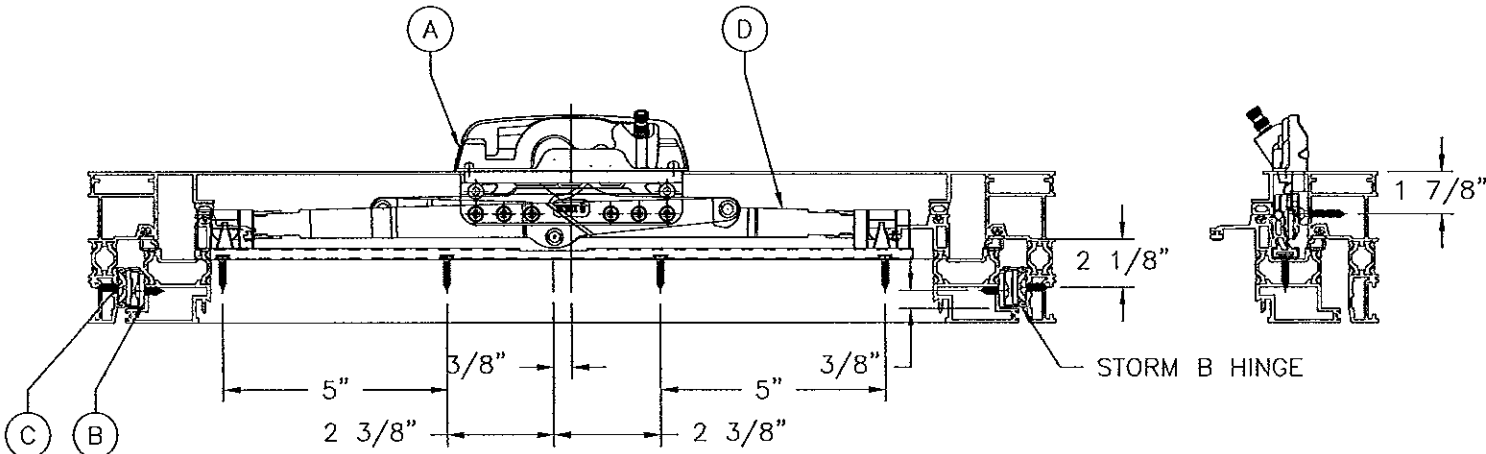
①⑨ **GLASS STOP**  
ALUMINUM 6063-T6 .050" THICK



②① **GLASS STOP**  
ALUMINUM 6063-T6 .050" THICK



④⑤ **THERMAL STRUT**  
NYLON POLYAMIDE .070" THICK  
TENSILE STRENGTH 10,390 PSI



**HARDWARE DETAIL**

HARDWARE SCHEDULE	
A	(1) 51.10.00.521 OPER, ENCORE S AWN SS
B	(1) 12614.XX HDL/CVR, (LH) S ENCORE TANGO
C	(2) 851 112 8046 STORM B HINGE, 4BAR, BY BRONZE CRAFT
D	(1) 11577.00.0520 OPERATOR TRACK & SLIDER ASSY

SIGNED: 07/15/2013

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Date 07/15/2013  
NOA# 13-0129.26  
Miami Dade Product Control  
By [Signature]

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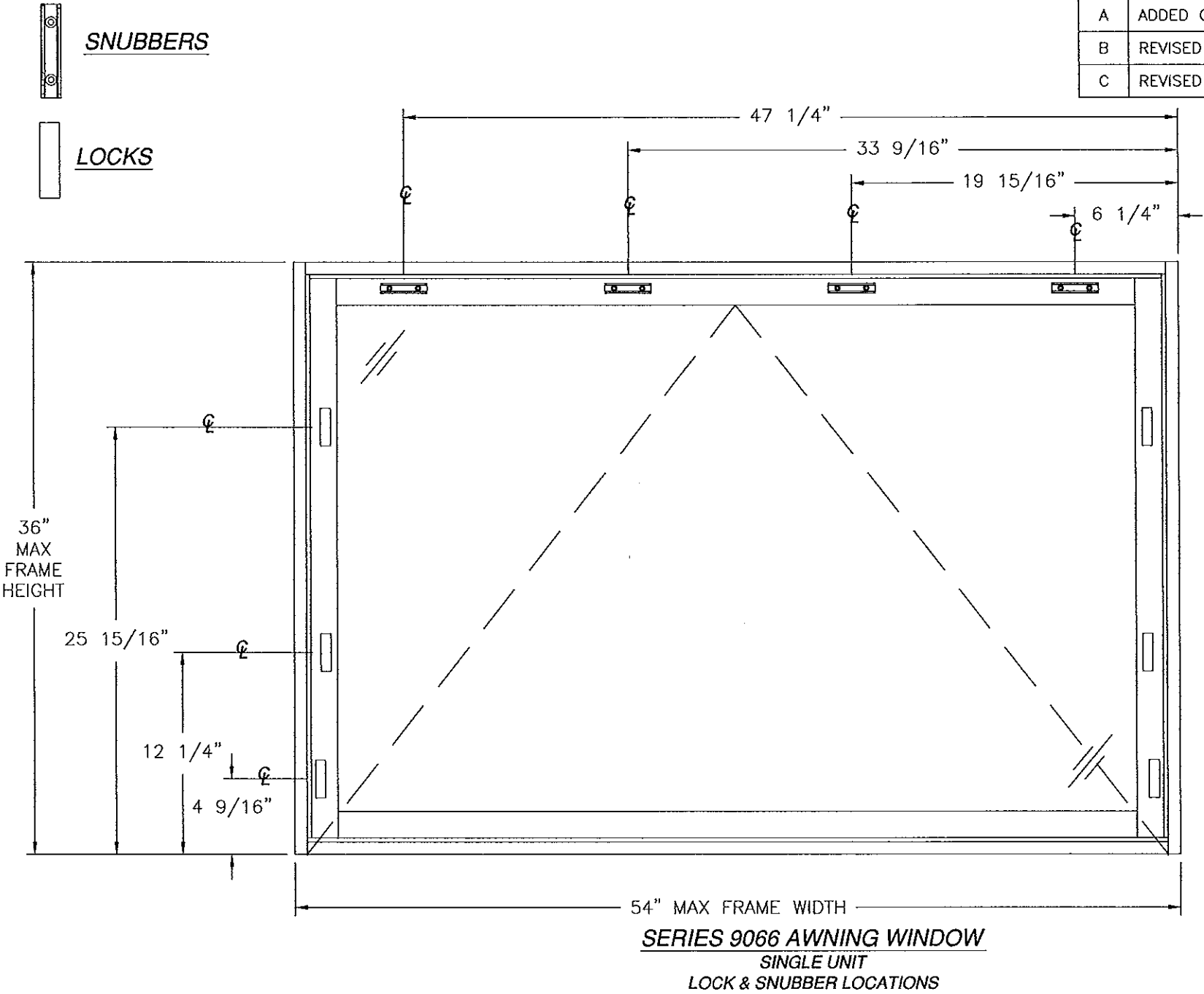
7500 AMSTERDAM DRIVE  
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Fax: 407.481.0505  
www.windoorinc.com

SERIES 9066 AWNING WINDOW  
LARGE MISSILE IMPACT  
COMPONENTS

DRAWN: V.L.	DWG NO. 08-01892	REV C
SCALE NTS	DATE 01/14/13	SHEET 10 OF 12

LUIS R. LOMAS  
LICENSED PROFESSIONAL ENGINEER  
No. 62514  
STATE OF FLORIDA

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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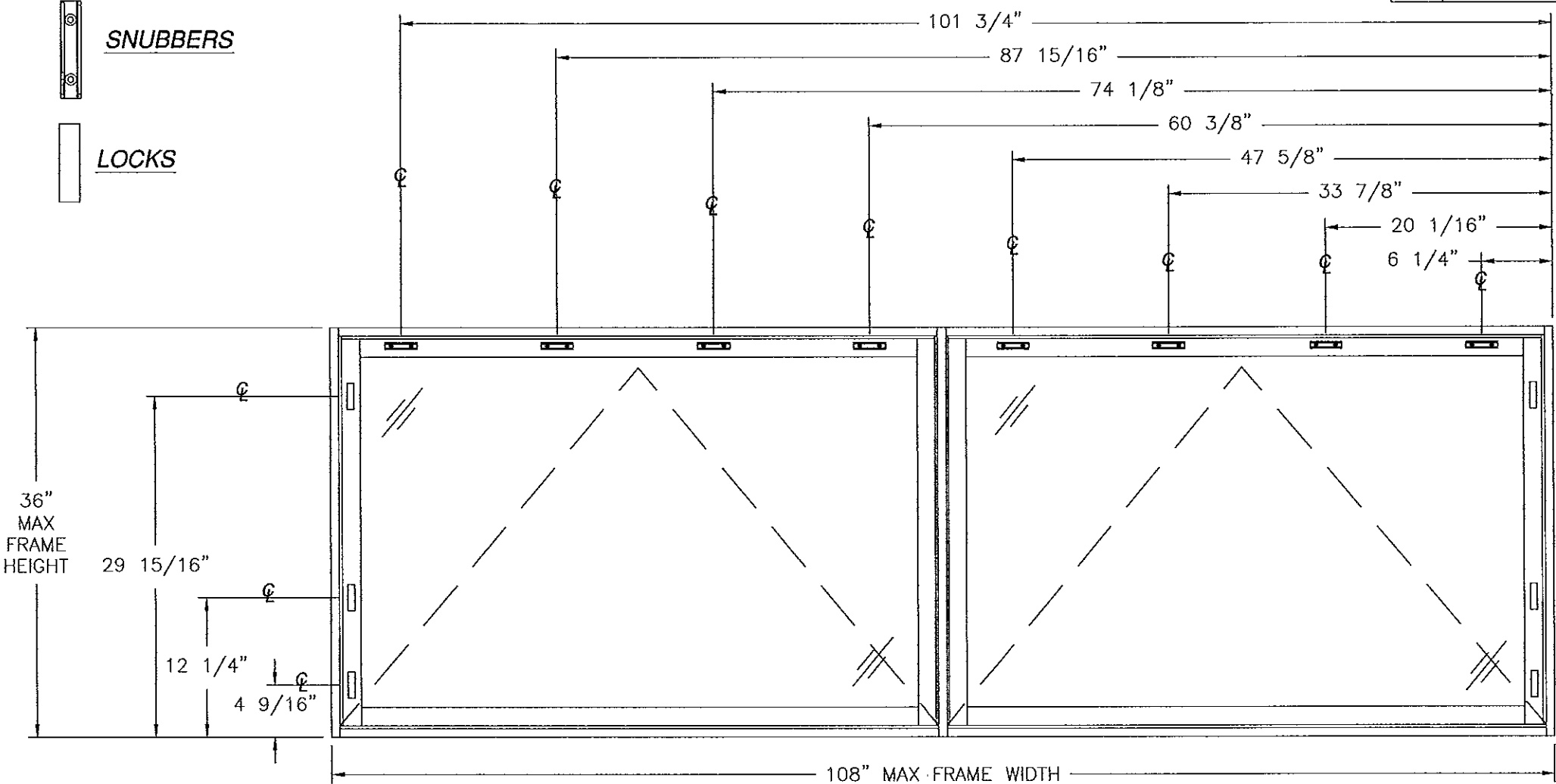
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SERIES 9066 AWNING WINDOW  
LARGE MISSILE IMPACT  
HARDWARE LAYOUTS

DRAWN: V.L.	DWG NO. 08-01892	REV C
SCALE NTS	DATE 01/14/13	SHEET 11 OF 12

LUIS R. LOMAS  
No. 62514  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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**SERIES 9066 AWNING WINDOW**  
TWIN UNIT  
LOCK & SNUBBER LOCATIONS

SIGNED: 07/15/2013

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Date 08/08/2013  
By 13-0129-26  
Miami Dade Product Control

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SERIES 9066 AWNING WINDOW  
LARGE MISSILE IMPACT  
HARDWARE LAYOUTS

DRAWN:  
V.L.

DWG NO.  
08-01892

REV  
C

SCALE NTS

DATE 01/14/13

SHEET 12 OF 12

LUIS R. LOMAS  
LICENSED  
No. 62514  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER